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LWG
LOWER WILLAMETTE GROUP

April 29, 2003

Chip Humphrey
US Environmental Protection Agency, Region 10
811 SW 6th Avenue, 3rd Floor
Portland, OR 97204

Tara Martich
US Environmental Protection Agency, Region 10
1200 Sixth Ave, M/S ECL-115
Seattle, WA 98104

Re: Lower Willamette River, Portland Harbor Superfund Site
USEPA Docket No: CERCLA-10-2001-0240
Status of Round 1 Sample Analyses

Dear Mr. Humphrey and Ms. Martich:

As requested by Chip Humphrey in an April 18, 2003 telephone conversation with Bob Wyatt, the LWG is providing an update on the status of Round 1 sample analyses, including:

1) An SVOC analysis table that provides information on which biota and body type LWG plans to analyze for the SVOCs. Note that an additional extraction will be performed for 4 chemicals: aniline, benzoic acid, 2-nitrophenol, and isophorone for the human health and human health/ecological sample types because these 4 compounds are not recovered after the extract cleanup process. The tissue samples with a sample type of ecological risk assessment only will not be analyzed for these 4 SVOC parameters.

2) An update on the status of Round 1 tissue analysis and an estimate on when data may be available to EPA.

Tables providing the requested information are enclosed.

EPA and LWG agreed in early March 2003 to analyze Round 1 tissue samples for SVOCs. EPA identified the tissue samples requested for analysis in a February 18, 2003 e-mail message to Bob Wyatt. In the February 18, 2003 e-mail, Tara Martich indicated that LWG could exclude the following tissue samples/types from the SVOC analysis:

Northern pikeminnow, all samples (6)

Peamouth, all samples (5)

Black crappie, all samples (8)

Carp, fillet (6)

Smallmouth bass (5)

Tara's e-mail continued by noting that with the exclusion of the 30 samples listed above, from the total of 94 samples, there were 64 samples that require SVOC analysis. However, LWG notes that there are actually 76 samples that require analysis, rather than 64. A total of 94 does not include the 3 clam samples that LWG recently agreed to analyze for SVOCs, nor does it include 9 other samples that are part of the Round 1 sampling event. In addition, EPA's total number of samples does not include the field duplicates and replicates that were collected for tissue. Therefore, LWG is analyzing 76 samples plus 25 field duplicate/triplicate samples for a total of 101 samples. As the enclosed table indicates, the ERA samples will not be analyzed for four of the SVOC compounds (aniline, benzoic acid, 2-nitrophenol, isophorone) whereas the HHRA and HHRA/ERA samples will be analyzed for these four compounds by performing an additional extraction at the laboratory.

If you have any questions, please give me a call at (206) 241-5185.

Sincerely,

Betsy D Striplin

Betsy Striplin

RI/FS Coordinator

Enclosures
Copies: LWG Repository

Biota Tissue Samples Analyzed for Semivolatile Organic Compounds.

Station ID	Species	Whole Body or Fillet	Type	Field QC Sample	Composite Sample ID	Notes
02R001	Crayfish	Whole Body	HHRA/ERA		LWG0102R001TSCRWBC00	
02R001	Sculpin	Whole Body	ERA		LWG0102R001TSSPWBC00	
02R015	Crayfish	Whole Body	HHRA/ERA		LWG0102R015TSCRWBC00	
02R015	Sculpin	Whole Body	ERA		LWG0102R015TSSPWBC00	
Original ID: 03R008 New ID: 03R001	Crayfish	Whole Body	HHRA/ERA		LWG0103R001TSCRWBC00	
03R001	Sculpin	Whole Body	ERA		LWG0103R001TSSPWBC00	
Original ID: 03R009 New ID: 03R002	Crayfish	Whole Body	HHRA/ERA		LWG0103R002TSCRWBC00	
03R002	Sculpin	Whole Body	ERA		LWG0103R002TSSPWBC10	
03R002	Sculpin	Whole Body	ERA	x	LWG0103R002TSSPWBC20	
03R003	Crayfish	Whole Body	HHRA/ERA		LWG0103R003TSCRWBC00	
03R004	Crayfish	Whole Body	HHRA/ERA		LWG0103R004TSCRWBC00	
03R004	Sculpin	Whole Body	ERA		LWG0103R004TSSPWBC10	
03R004	Sculpin	Whole Body	ERA	x	LWG0103R004TSSPWBC20	
03R005	Crayfish	Whole Body	HHRA/ERA		LWG0103R005TSCRWBC00	
03R005	Sculpin	Whole Body	ERA		LWG0103R005TSSPWBC00	
03R014	Large Scale Sucker	Whole Body	ERA		LWG0103R014TSLSWBC10	
03R014	Large Scale Sucker	Whole Body	ERA	x	LWG0103R014TSLSWBC20	
03R014	Smallmouth Bass	Whole Body	HHRA/ERA		LWG0103R014TSSBWBC00	
03R032	Crayfish	Whole Body	HHRA/ERA		LWG0103R032TSCRWBC00	
03R032	Sculpin	Whole Body	ERA		LWG0103R032TSSPWBC00	
03R034	Sculpin	Whole Body	ERA		LWG0103R034TSSPWBC00	
03R125	Subyearling Chinook	Whole Body	ERA		LWG0103R125TSSCWBC00	
04R002	Crayfish	Whole Body	HHRA/ERA		LWG0104R002TSCRWBC00	
04R002	Sculpin	Whole Body	ERA		LWG0104R002TSSPWBC00	
04R003	Crayfish	Whole Body	HHRA/ERA		LWG0104R003TSCRWBC00	
04R003	Sculpin	Whole Body	ERA		LWG0104R003TSSPWBC00	
04R004	Crayfish	Whole Body	HHRA/ERA		LWG0104R004TSCRWBC10	
04R004	Crayfish	Whole Body	HHRA/ERA	x	LWG0104R004TSCRWBC20	
04R004	Sculpin	Whole Body	ERA		LWG0104R004TSSPWBC00	
04R023	Smallmouth Bass	Whole Body	HHRA/ERA		LWG0104R023TSSBWBC10	

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Station ID	Species	Whole Body or Fillet	Type	Field QC Sample	Composite Sample ID	Notes
04R023	Smallmouth Bass	Whole Body	HHRA/ERA	x	LWG0104R023TSSBWBC20	
04R023	Smallmouth Bass	Whole Body	HHRA/ERA	x	LWG0104R023TSSBWBC30	
04R126	Subyearling Chinook	Whole Body	ERA		LWG0104R126TSSCWBC00	
05R001	Crayfish	Whole Body	HHRA/ERA		LWG0105R001TSCRWBC00	
05R001	Sculpin	Whole Body	ERA		LWG0105R001TSSPWBC00	
05R003	Crayfish	Whole Body	HHRA/ERA		LWG0105R003TSCRWBC00	
05R006	Large Scale Sucker	Whole Body	ERA		LWG0105R006TSLSWBC00	
05R006	Smallmouth Bass	Whole Body	HHRA/ERA		LWG0105R006TSSBWBC00	
05R020	Sculpin	Whole Body	ERA		LWG0105R020TSSPWBC00	
06R001	Crayfish	Whole Body	HHRA/ERA		LWG0106R001TSCRWBC00	
06R001	Sculpin	Whole Body	ERA		LWG0106R001TSSPWBC00	
06R002	Clam	Whole Body	ERA		LWG0106R002TSCAWBC00	
06R002	Sculpin	Whole Body	ERA		LWG0106R002TSSPWBC10	
06R002	Sculpin	Whole Body	ERA	x	LWG0106R002TSSPWBC20	
06R004	Crayfish	Whole Body	HHRA/ERA		LWG0106R004TSCRWBC10	
06R004	Crayfish	Whole Body	HHRA/ERA	x	LWG0106R004TSCRWBC20	
06R004	Sculpin	Whole Body	ERA		LWG0106R004TSSPWBC00	
06R024	Smallmouth Bass	Whole Body	HHRA/ERA		LWG0106R024TSSBWBC00	
Original ID: 06R002 New ID: 06R031	Crayfish	Whole Body	HHRA/ERA		LWG0106R031TSCRWBC00	Field target station is 06R002
07R003	Clam	Whole Body	ERA		LWG0107R003TSCAWBC00	
07R003	Crayfish	Whole Body	HHRA/ERA		LWG0107R003TSCRWBC00	
07R003	Sculpin	Whole Body	ERA		LWG0107R003TSSPWBC00	
07R004	Crayfish	Whole Body	HHRA/ERA		LWG0107R004TSCRWBC00	
07R006	Clam	Whole Body	ERA		LWG0107R006TSCAWBC00	
07R006	Crayfish	Whole Body	HHRA/ERA		LWG0107R006TSCRWBC00	
07R006	Sculpin	Whole Body	ERA		LWG0107R006TSSPWBC00	
07R009	Large Scale Sucker	Whole Body	ERA		LWG0107R009TSLSWBC00	
07R009	Smallmouth Bass	Whole Body	HHRA/ERA		LWG0107R009TSSBWBC10	
07R009	Smallmouth Bass	Whole Body	HHRA/ERA	x	LWG0107R009TSSBWBC20	
07R009	Smallmouth Bass	Whole Body	HHRA/ERA	x	LWG0107R009TSSBWBC30	
08R001	Crayfish	Whole Body	HHRA/ERA		LWG0108R001TSCRWBC00	
08R001	Sculpin	Whole Body	ERA		LWG0108R001TSSPWBC00	

Biota Tissue Samples Analyzed for Semivolatile Organic Compounds.

Station ID	Species	Whole Body or Fillet	Type	Field QC Sample	Composite Sample ID	Notes
08R002	Crayfish	Whole Body	HHRA/ERA		LWG0108R002TSCRWBC00	
08R002	Sculpin	Whole Body	ERA		LWG0108R002TSSPWBC00	
08R003	Crayfish	Whole Body	HHRA/ERA		LWG0108R003TSCRWBC00	
08R003	Sculpin	Whole Body	ERA		LWG0108R003TSSPWBC00	
08R010	Large Scale Sucker	Whole Body	ERA		LWG0108R010TSLSWBC00	
08R010	Smallmouth Bass	Whole Body	HHRA/ERA		LWG0108R010TSSBWBC10	
08R010	Smallmouth Bass	Whole Body	HHRA/ERA	x	LWG0108R010TSSBWBC20	
08R010	Smallmouth Bass	Whole Body	HHRA/ERA	x	LWG0108R010TSSBWBC30	
08R032	Smallmouth Bass	Whole Body	HHRA/ERA		LWG0108R032TSSBWBC00	
09R001	Crayfish	Whole Body	HHRA/ERA		LWG0109R001TSCRWBC10	
09R001	Crayfish	Whole Body	HHRA/ERA	x	LWG0109R001TSCRWBC20	
09R001	Sculpin	Whole Body	ERA		LWG0109R001TSSPWBC00	
09R002	Sculpin	Whole Body	ERA		LWG0109R002TSSPWBC00	
Original ID: 09R003 New ID: 09R002	Crayfish	Whole Body	HHRA/ERA		LWG0109R002TSCRWBC00	Field target station is 09R003
09R006	Large Scale Sucker	Whole Body	ERA		LWG0109R006TSLSWBC00	
09R006	Smallmouth Bass	Whole Body	HHRA/ERA		LWG0109R006TSSBWBC00	
26R111	Subyearling Chinook	Whole Body	ERA		LWG0126R111TSSCWBC00	
FZ0306	Brown Bullhead	Fillet	HHRA		LWG01FZ0306TSBBFLC10	
FZ0306	Brown Bullhead	Fillet	HHRA	x	LWG01FZ0306TSBBFLC20	
FZ0306	Brown Bullhead	Fillet	HHRA	x	LWG01FZ0306TSBBFLC30	
FZ0306	Brown Bullhead	Whole Body	HHRA		LWG01FZ0306TSBBWBC10	
FZ0306	Brown Bullhead	Whole Body	HHRA	x	LWG01FZ0306TSBBWBC20	
FZ0306	Brown Bullhead	Whole Body	HHRA	x	LWG01FZ0306TSBBWBC30	
FZ0306	Carp	Whole Body	HHRA		LWG01FZ0306TSCPWBC10	
FZ0306	Carp	Whole Body	HHRA	x	LWG01FZ0306TSCPWBC20	
FZ0306	Carp	Whole Body	HHRA	x	LWG01FZ0306TSCPWBC30	
FZ0609	Brown Bullhead	Fillet	HHRA		LWG01FZ0609TSBBFLC10	
FZ0609	Brown Bullhead	Fillet	HHRA	x	LWG01FZ0609TSBBFLC20	
FZ0609	Brown Bullhead	Fillet	HHRA	x	LWG01FZ0609TSBBFLC30	
FZ0609	Brown Bullhead	Whole Body	HHRA		LWG01FZ0609TSBBWBC10	
FZ0609	Brown Bullhead	Whole Body	HHRA	x	LWG01FZ0609TSBBWBC20	
FZ0609	Brown Bullhead	Whole Body	HHRA	x	LWG01FZ0609TSBBWBC30	

Biota Tissue Samples Analyzed for Semivolatile Organic Compounds.

Station ID	Species	Whole Body or Fillet	Type	Field QC Sample	Composite Sample ID	Notes
FZ0609	Carp	Whole Body	HHRA		LWG01FZ0609TSCPWBC10	
FZ0609	Carp	Whole Body	HHRA	x	LWG01FZ0609TSCPWBC20	
FZ0609	Carp	Whole Body	HHRA	x	LWG01FZ0609TSCPWBC30	
02R102	Subyearling Chinook	Whole Body	ERA		LWG1A02R102TSSCWBC00	
02R112	Subyearling Chinook	Whole Body	ERA		LWG1A02R112TSSCWBC00	
02R113	Subyearling Chinook	Whole Body	ERA		LWG1A02R113TSSCWBC00	
03R118	Subyearling Chinook	Whole Body	ERA		LWG1A03R118TSSCWBC00	

ERA - Ecological risk assessment

HHRA - Human health risk assessment

ERA samples will not be analyzed for the following compounds: aniline, benzoic acid, 2-nitrophenol, or isophorone.

HHRA and HHRA/ERA samples will be analyzed for the full SVOC analyte list in the November 22, 2002 QAPP.

Sampling location maps were provided in the February 5, 2003 Portland Harbor RI/FS Round 1 Field Sampling Report.

Summary of Status of Receipt of Round 1 Data.

	Conventionals[3]	Metals	PCB-Aroclors	Pesticides	SVOCs	SVOC TICs	Herbicides	Butyltins	PCB-congeners	Dioxins/Furans
Sediment										
Laboratory[1]	ARI	ARI	ARI	ARI	ARI	ARI	ARI	ARI	Axys	Axys
Percent Complete[2]	100	100	100	100	100	75	100	100	0	0
Estimated Date When Validated Data Will Be Available to EPA	5-Jun	5-Jun	5-Jun	5-Jun	5-Jun	5-Jun	5-Jun	5-Jun	20-Jun	20-Jun
Tissue										
Laboratory[1]	CAS	CAS	CAS	CAS	ARI	ARI	NA	CAS	Axys	Axys
Percent Complete[2]	0	70	0	0	0	0	NA	0	0	0
Estimated Date When Validated Data Will Be Available to EPA	2-Jul	2-Jul	2-Jul	2-Jul	30-Jun	30-Jun	NA	2-Jul	16-Jul	16-Jul

Notes:

[1] - Laboratories:

ARI - Analytical Resources, Inc., Seattle, WA

Axys - Axys, Sydney, BC

CAS - Columbia Analytical Services, Kelso, WA

[2] - Percent Complete indicates percentage of results received by LWG from the analytical laboratory. All analyses have been initiated.

[3] - Conventionals include total solides, grain size, and total organic carbon for sediments and total solids and percent lipids for tissue.

NA - Not applicable